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OIL AND GAS ANALYSTS AND FORECASTERS

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World Oil and North American Natural Gas Outlook

**Department of the Interior
OCS Policy Committee Meeting**

October 31, 2001

**Hotel Wyndham San Diego
San Diego, California**

Presentation

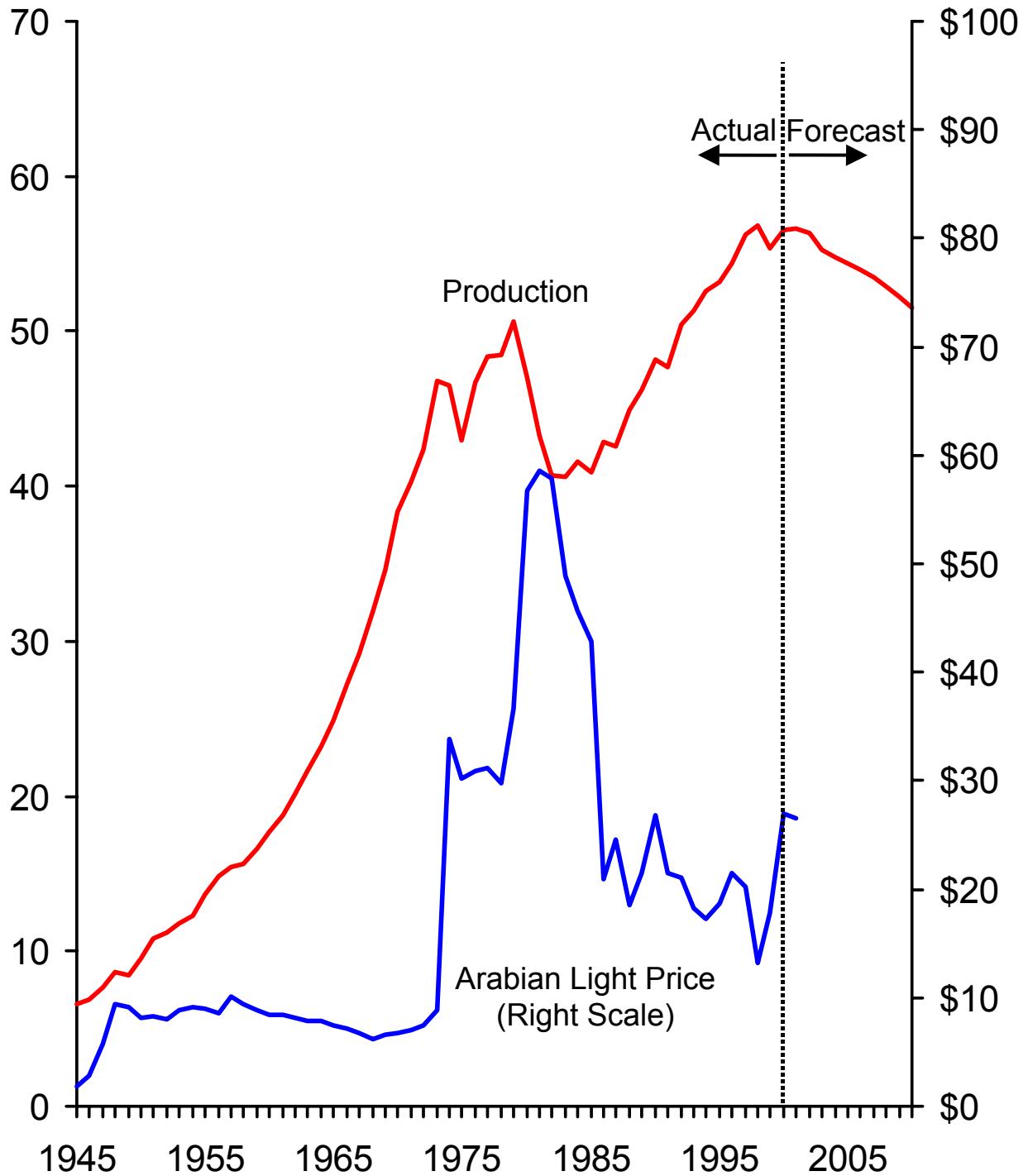
By

Henry Groppe

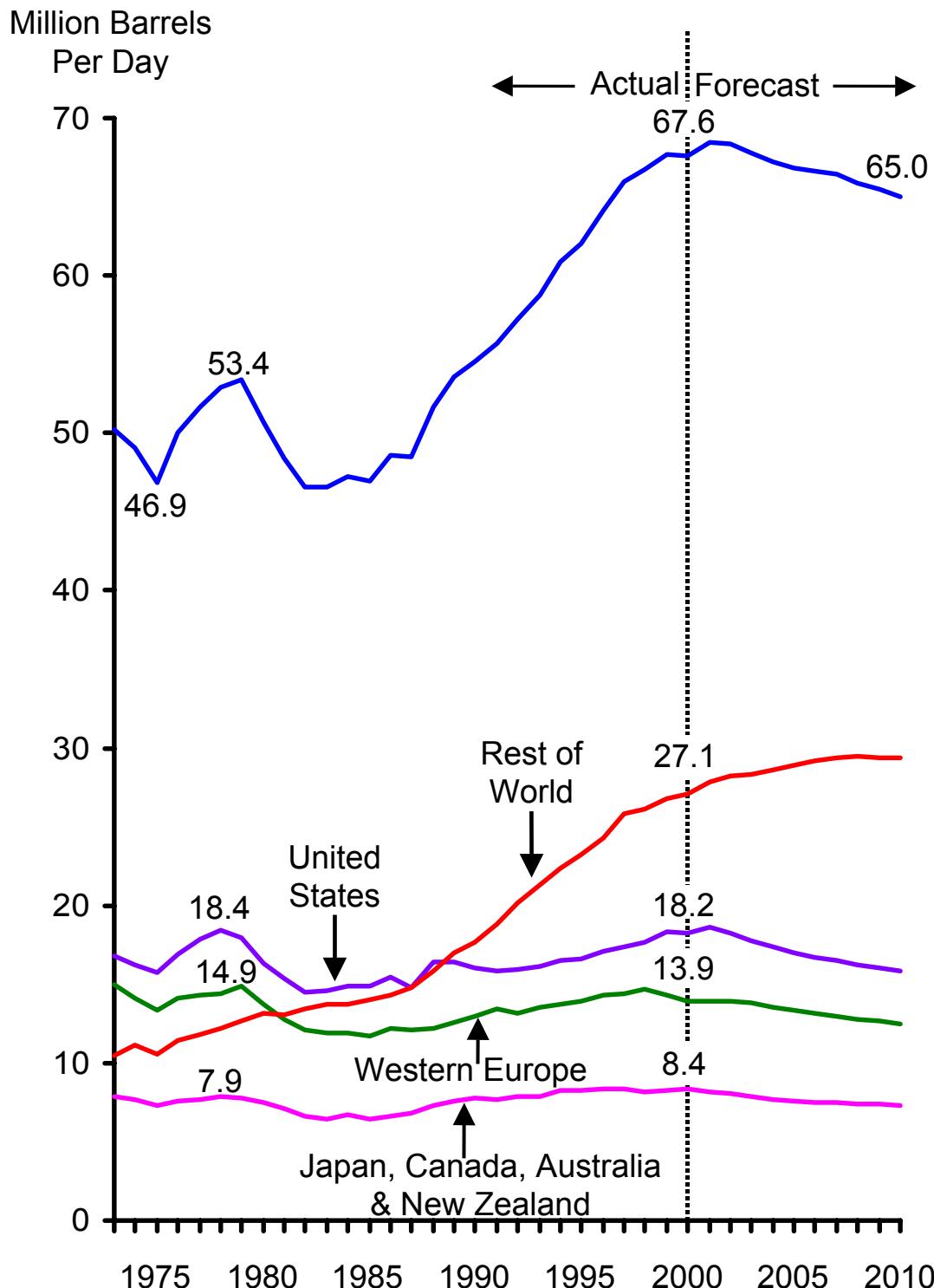
WORLD CRUDE OIL PRODUCTION (Excluding Eastern Europe)

Million Barrels
Per Day

2001 \$/Barrel

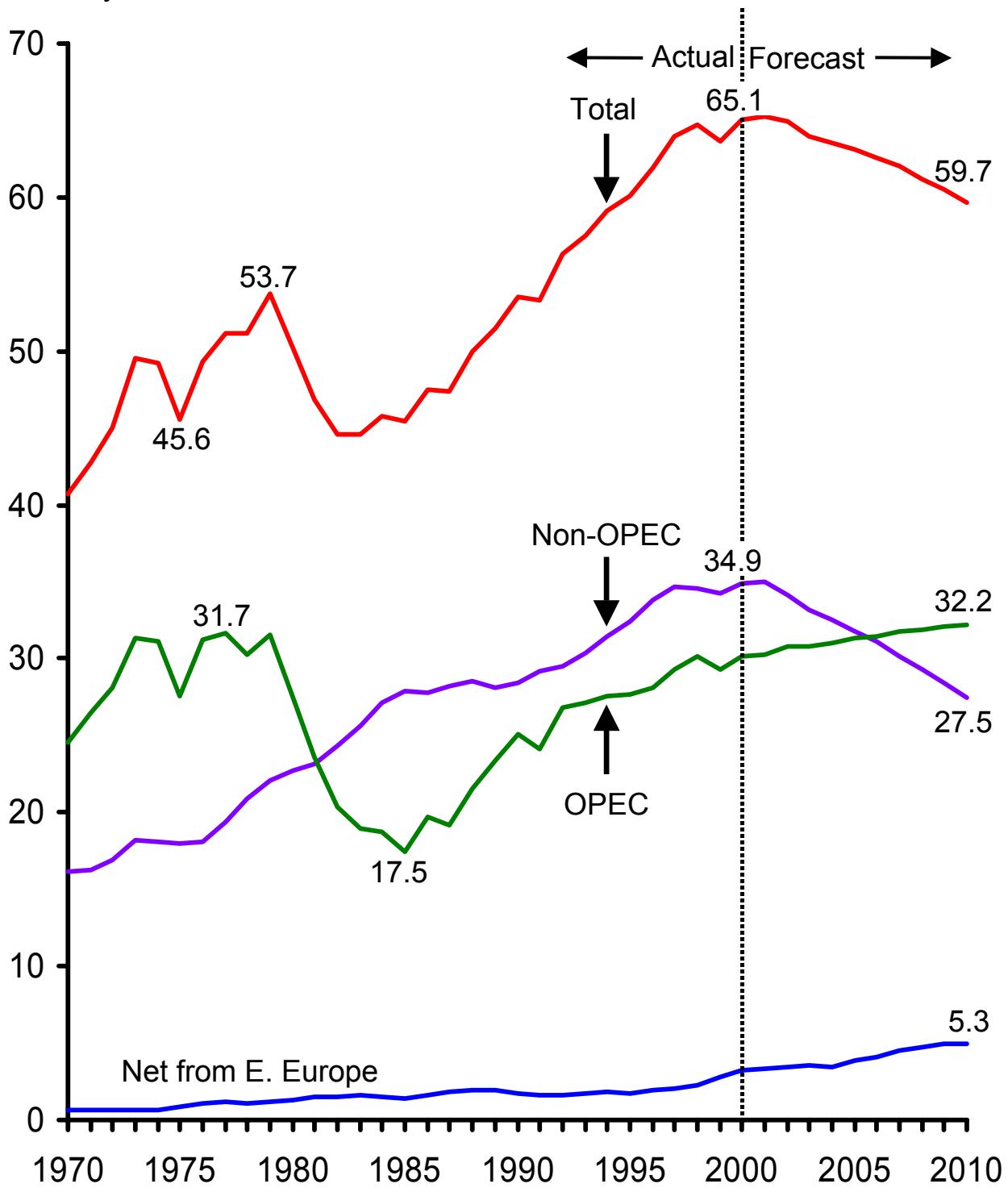


WORLD PETROLEUM DELIVERIES (Excluding Eastern Europe)



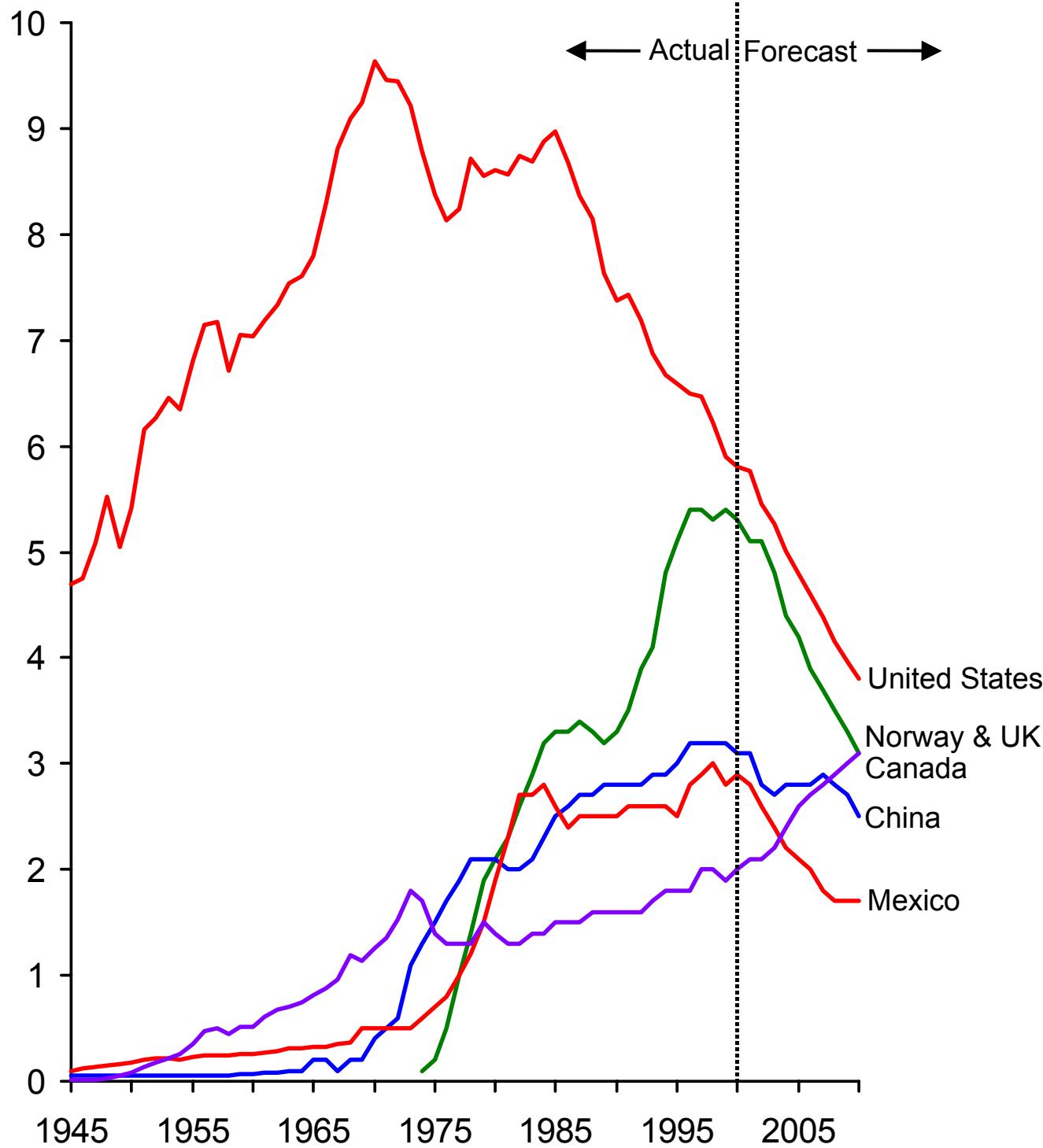
WORLD PETROLEUM PRODUCTION (Excluding Eastern Europe)

Million Barrels
Per Day



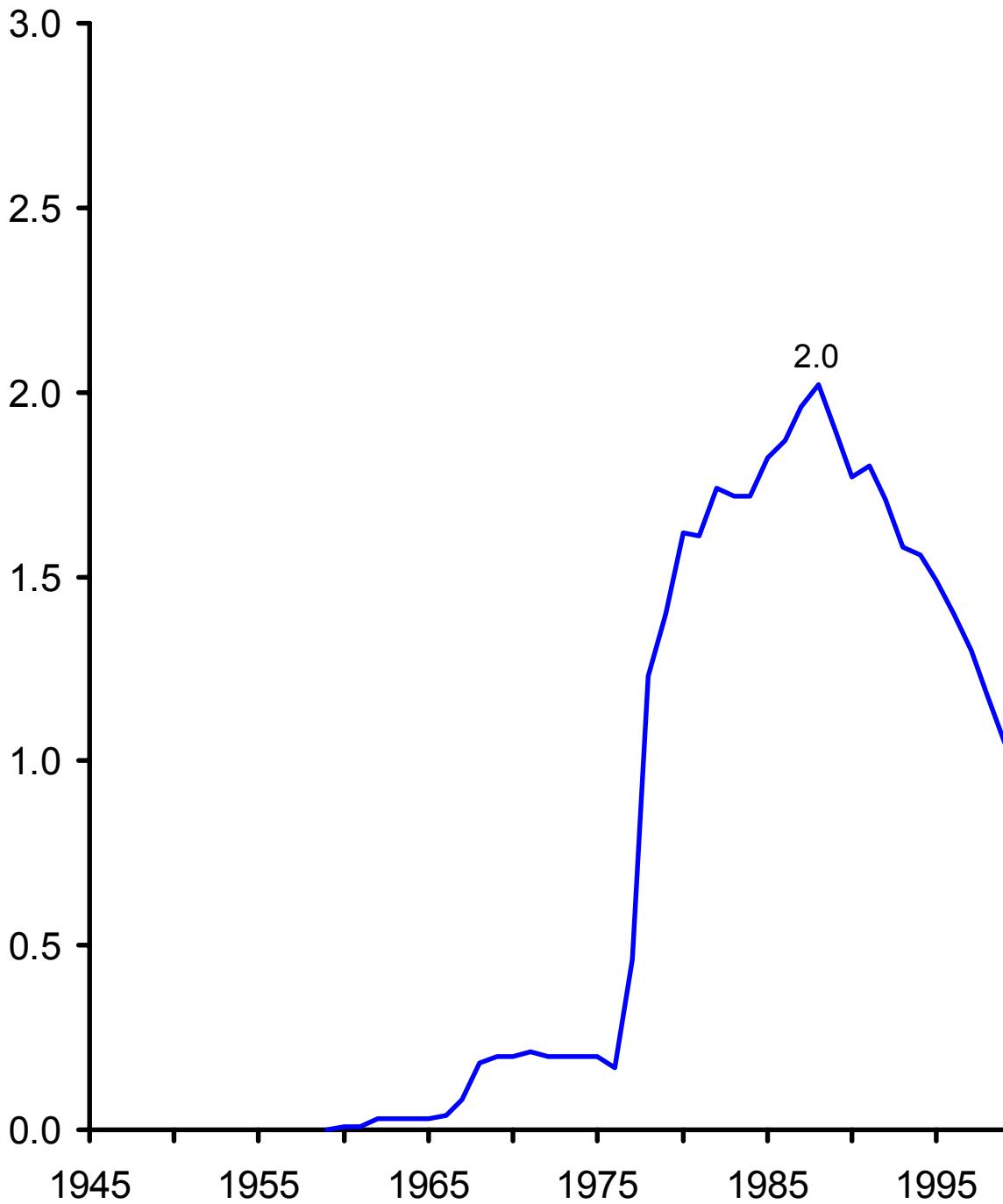
NON-OPEC CRUDE OIL PRODUCTION

Million Barrels
Per Day



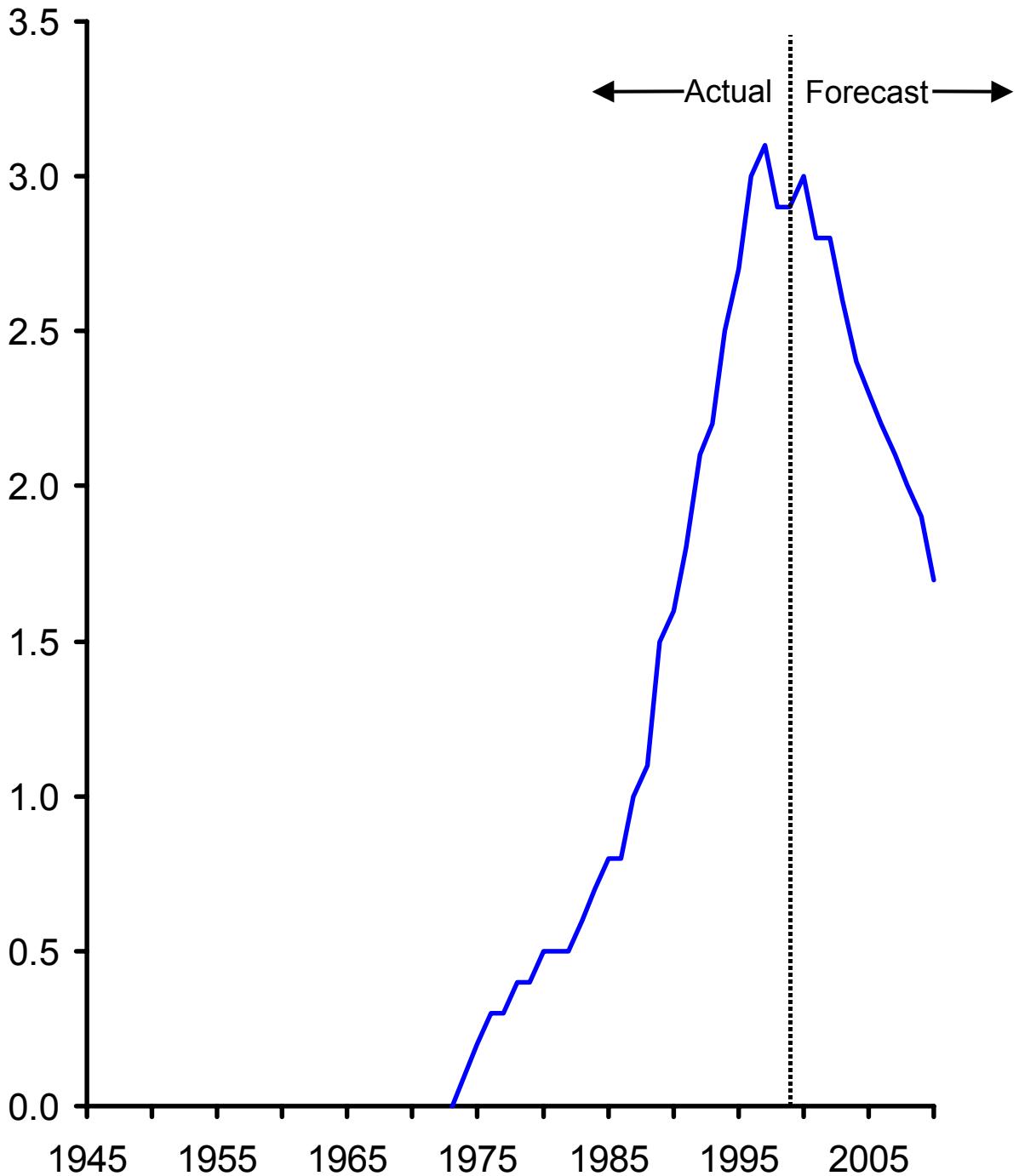
ALASKA CRUDE OIL

Million Barrels
Per Day



NORWAY CRUDE OIL

Million Barrels
Per Day

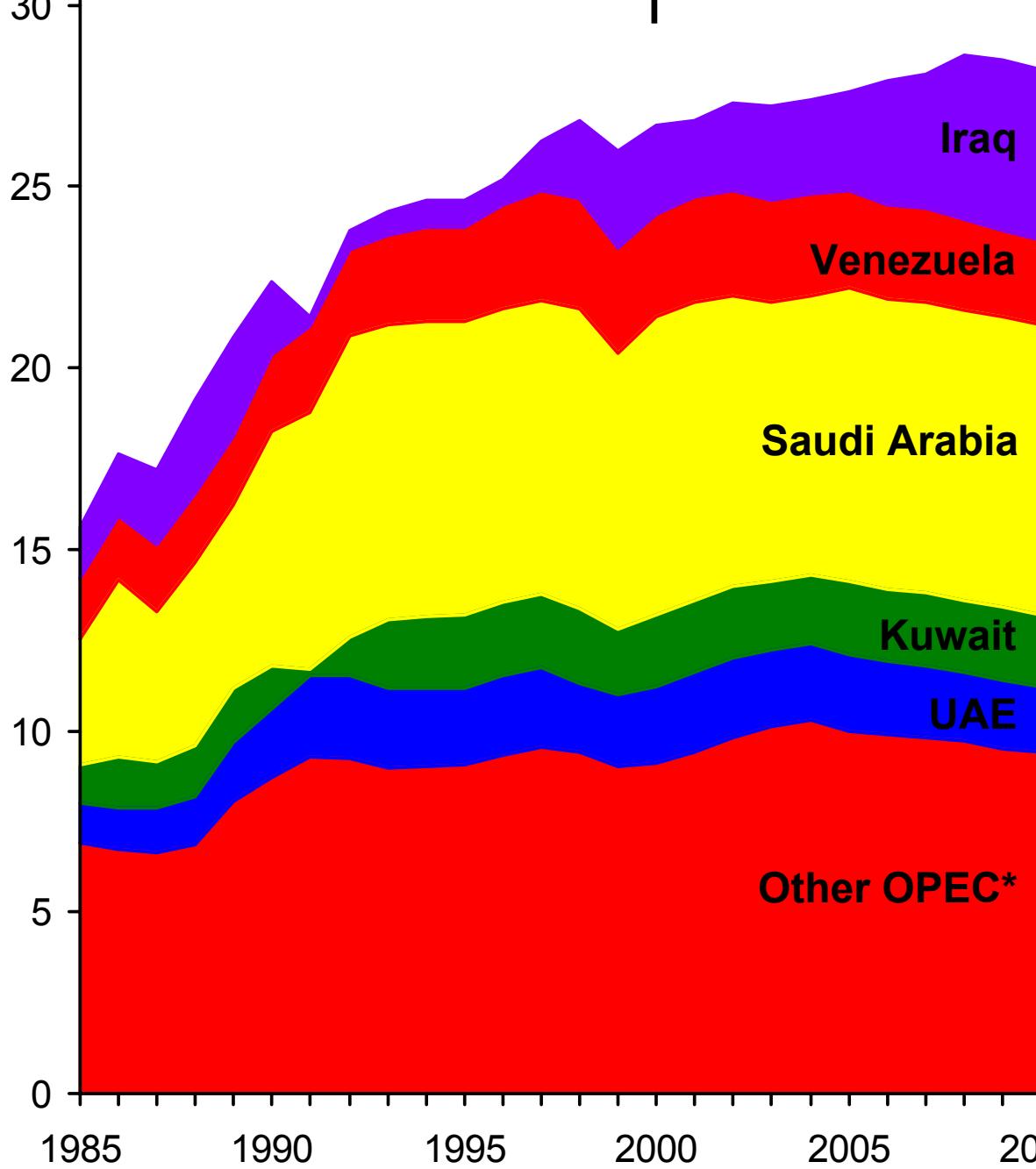


OPEC CRUDE OIL PRODUCTION



Million Barrels
Per Day

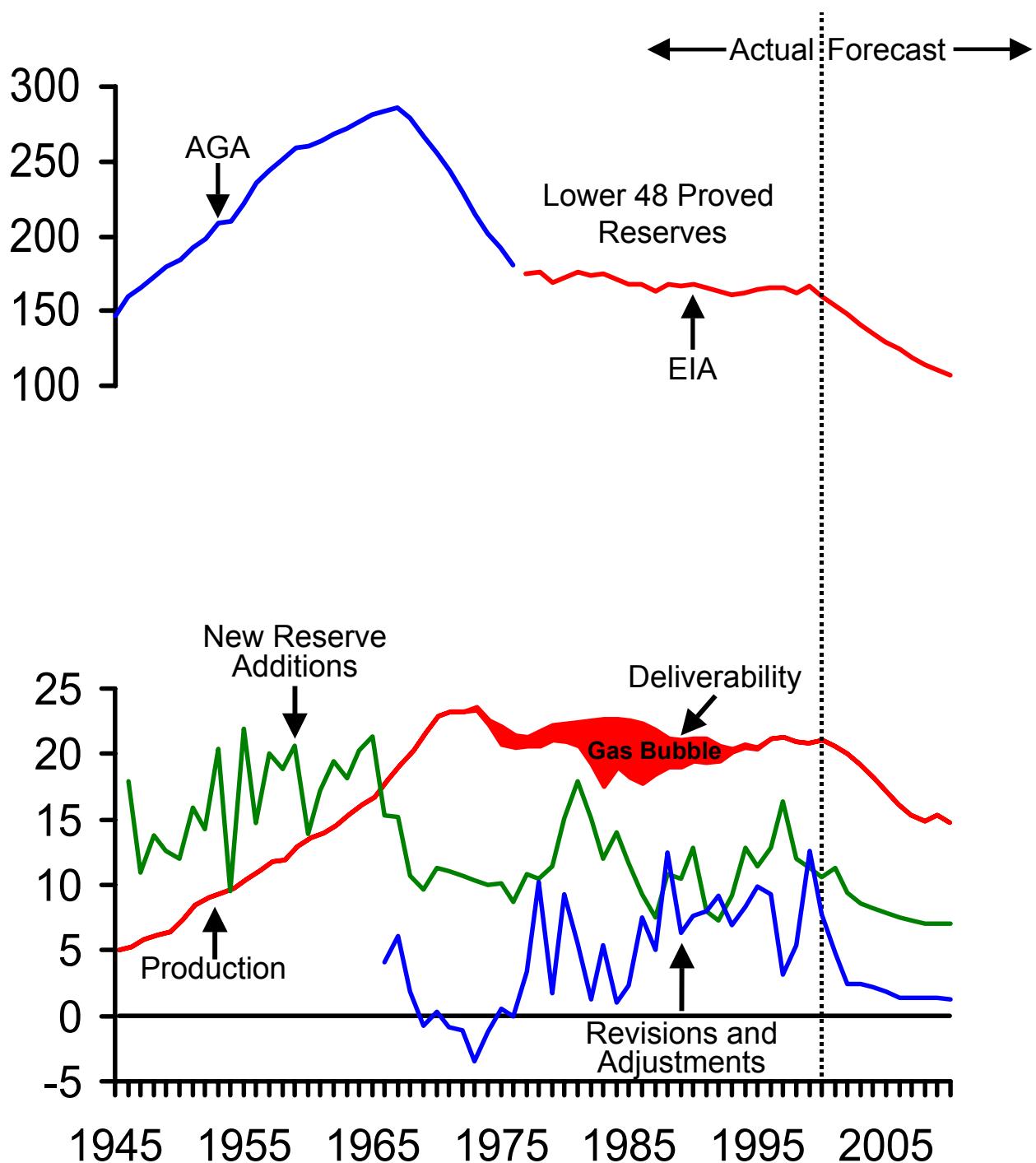
← Actual | Forecast →



* Excludes Ecuador & Gabon who withdrew
from OPEC in 1993 & 1996 respectively

UNITED STATES NATURAL GAS

Trillion Cubic Feet



U.S. NATURAL GAS CONSUMPTION, PRODUCTION AND PRICE

Billion Cubic Feet

Per Day

70

65

60

55

50

45

40

35

30

Consumption

Actual Forecast

Imports
& Other

Production

Average Wellhead Price
(Right Scale)

2001 \$/MMBTU

\$10

\$9

\$8

\$7

\$6

\$5

\$4

\$3

\$2

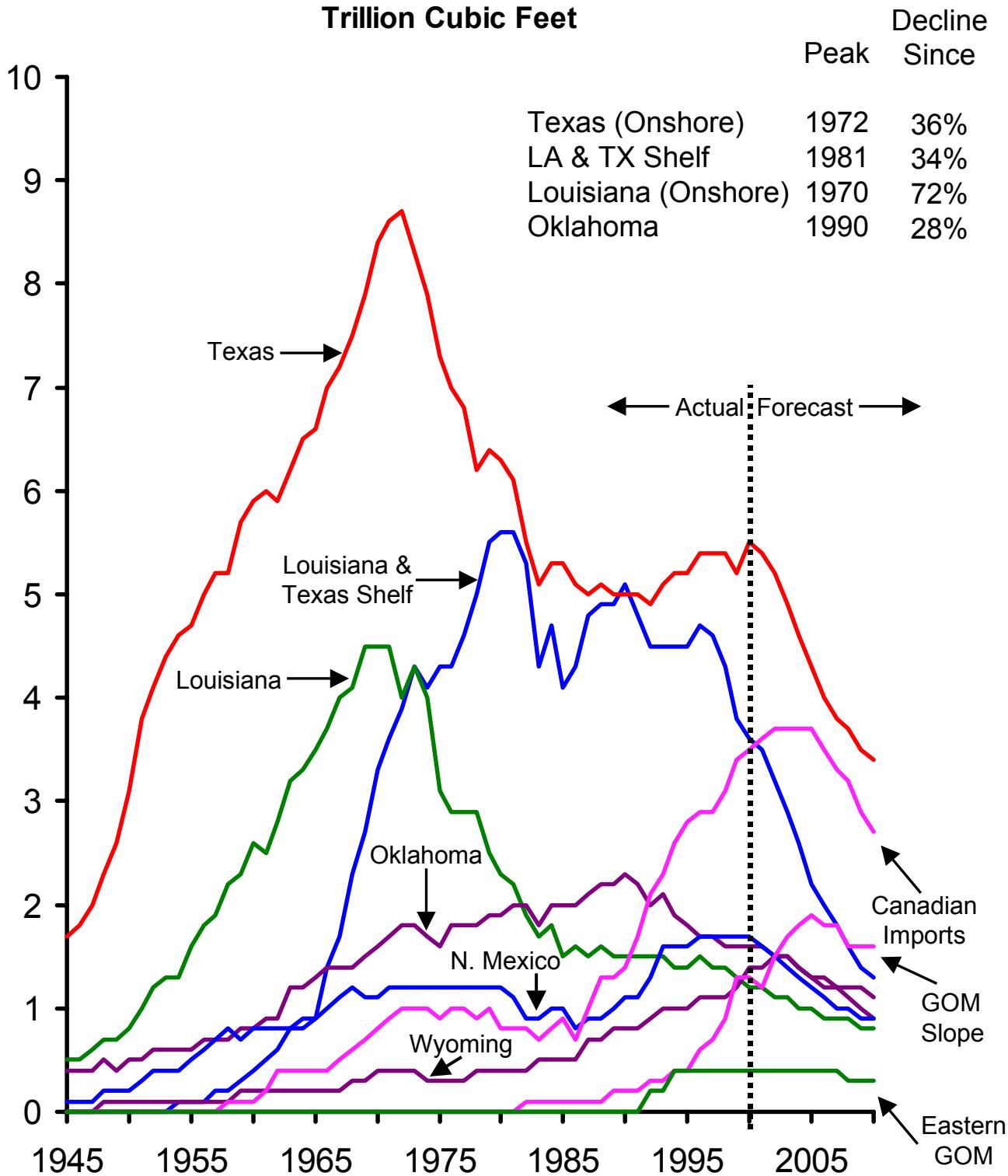
\$1

\$0

1970 1975 1980 1985 1990 1995 2000 2005 2010

U.S. NATURAL GAS SUPPLY FROM MAJOR SOURCES

Trillion Cubic Feet



MAJOR U.S. GAS SUPPLY SOURCES*
COMPOSITE PRODUCTION DECLINE RATE
Billion Cubic Feet Per Day

